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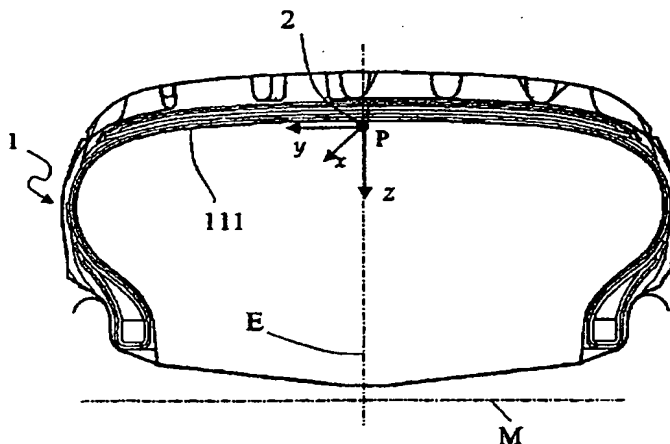
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(54) Title: **METHOD AND SYSTEM FOR MONITORING THE BEHAVIOUR OF A TYRE DURING THE RUNNING OF A MOTOR VEHICLE**



(57) Abstract: Method for monitoring the instantaneous behaviour of a tyre in a rolling condition, comprising the steps of: a) acquiring and storing, at least temporarily, at least one reference curve which represents the acceleration profile of at least one specified point of the said tyre in at least two directions selected from a centripetal, a tangential and a lateral directions as a function of the position of the said point, in at least one portion of a revolution of the said tyre, b) continuously acquiring signals of the acceleration in said at least two directions of said at least one point of the said tyre, in at least one portion of a revolution of the said tyre, c) deriving from the said signals at least one cyclic curve of acceleration profile of the said at least one point in at least the said portion of a revolution of the said tyre, d) comparing said at least one cyclic curve with the said at least one reference curve, and e) emitting a signal depending on the said comparison, the said signal indicating the said instantaneous behaviour of the said tyre.

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